(c) incubating the reconstituted cell such that an embryo develops that is capable of developing to term and has the same set of chromosomes as the individual non-human mammal.

29. (AMENDED) A non-human mammal that has the same set of chromosomes as an individual non-human mammal, wherein the mammal is produced by a process comprising:

(a) transferring an embryo according to claim 20 to a female of the same species; and

(b) developing the embryo into a non-human mammal.

35. (AMENDED) A non-human mammal that has the same set of chromosomes as an individual non-human mammal, wherein the mammal is prepared by a process comprising:

(a) transferring the nucleus of a quiescent diploid donor cell of an individual non-human mammal into an enucleated oocyte of a non-human mammal of the same species, thereby obtaining a reconstituted cell;

(b) activating the oocyte before, during or after nuclear transfer;

(c) incubating the reconstituted cell such that an embryo develops;

(d) transferring the embryo to a female of the same species; and

(e) developing the embryo into a non-human mammal that has the same set of chromosomes as the individual non-human mammal.

Please **add** the following new claims:

-- 43. (NEW) An embryo according to claim 20, wherein the embryo is a cow embryo.

44. (NEW) A non-human mammal according to claim 29, wherein the mammal is a cow.

45. (NEW) A non-human mammal according to claim 35, wherein the mammal is a cow.

46. (NEW) A non-human mammalian embryo that has the same set of chromosomes as an individual non-human mammal of the same species, wherein the non-human mammalian embryo is capable of developing to term and is cloned by nuclear transfer from a quiescent cell obtained from the individual non-human mammal.

47. (NEW) The non-human mammalian embryo of claim 46, wherein the non-human mammal is selected from the group consisting of cows, sheep, pigs, goats, mice, and rabbits.

48. (NEW) The non-human mammalian embryo of claim 46, wherein the cell is a cultured cell or the cell is genetically modified.

49. (NEW) The non-human mammalian embryo of claim 46, wherein the cell is a cell in which quiescence has been induced.

50. (NEW) The non-human mammalian embryo of claim 46, wherein the cell is a cell that is naturally quiescent.

51. (NEW) A non-human mammal that has the same set of chromosomes as an individual non-human mammal of the same species, wherein the non-human